

ABSTRACT OF THE DISCLOSURE

A paper feeding apparatus of a printing machine comprises a paper feeding tray for stacking a plurality of printing papers therein, a pick-up unit having a pick-up roller which rotates at an upper part of the paper feeding tray to pick up the printing paper, a knockup plate moving up and down in the paper feeding tray to contact the printing paper of the paper feeding tray with the pick-up roller to accordingly lift the printing paper, a separation member for separating the printing paper picked up by the pick-up roller sheet by sheet, a sensor for sensing a distance between the printing paper and the pick-up roller, and a lifting device for lifting the knockup plate by a signal of the sensor to maintain a contacting status of the printing paper and the pick-up roller regularly.